

INTERNATIONAL SEARCH REPORT

International Application No

NL 03/00924

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H03M13/29 H04L1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03M H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 574 291 B2 (DOETSCH MARKUS ET AL) 3 June 2003 (2003-06-03)	1,6,8-10
A	abstract column 4, line 62 -column 6, line 9; figures 2,3	2-5,7
Y	VALENTI M C ET AL: "Iterative channel estimation and decoding of pilot symbol assisted turbo codes over flat-fading channels" IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, SEPT. 2001, IEEE, USA, vol. 19, no. 9, pages 1697-1705, XP002285321 ISSN: 0733-8716	1,6,8-10
A	page 1698 -page 1700; figures 2,3 -/--	2-5,7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

22 June 2004

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08/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 360 425 A (SIEMENS AG) 19 September 2001 (2001-09-19) abstract page 5-10; figure 4 ----	1-10
A	US 6 526 539 B1 (KAWABATA KAZUO ET AL) 25 February 2003 (2003-02-25) column 10 -column 11; figure 3 ----	1-10
A	KIM JUNG-WOO ET AL: "Turbo code with iterative channel estimator using soft-output of turbo decoder" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 36, no. 18, 31 August 2000 (2000-08-31), pages 1560-1562, XP006015636 ISSN: 0013-5194 the whole document -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6574291	B2	09-01-2003	DE 19959409 A1	21-06-2001
			AT 243896 T	15-07-2003
			CN 1409898 T	09-04-2003
			WO 0143290 A1	14-06-2001
			DE 50002681 D1	31-07-2003
			EP 1236281 A1	04-09-2002
			JP 2003516694 T	13-05-2003
			US 2003007579 A1	09-01-2003
GB 2360425	A	19-09-2001	NONE	
US 6526539	B1	25-02-2003	JP 2001007711 A	12-01-2001
			EP 1063776 A2	27-12-2000